

FIG. 2

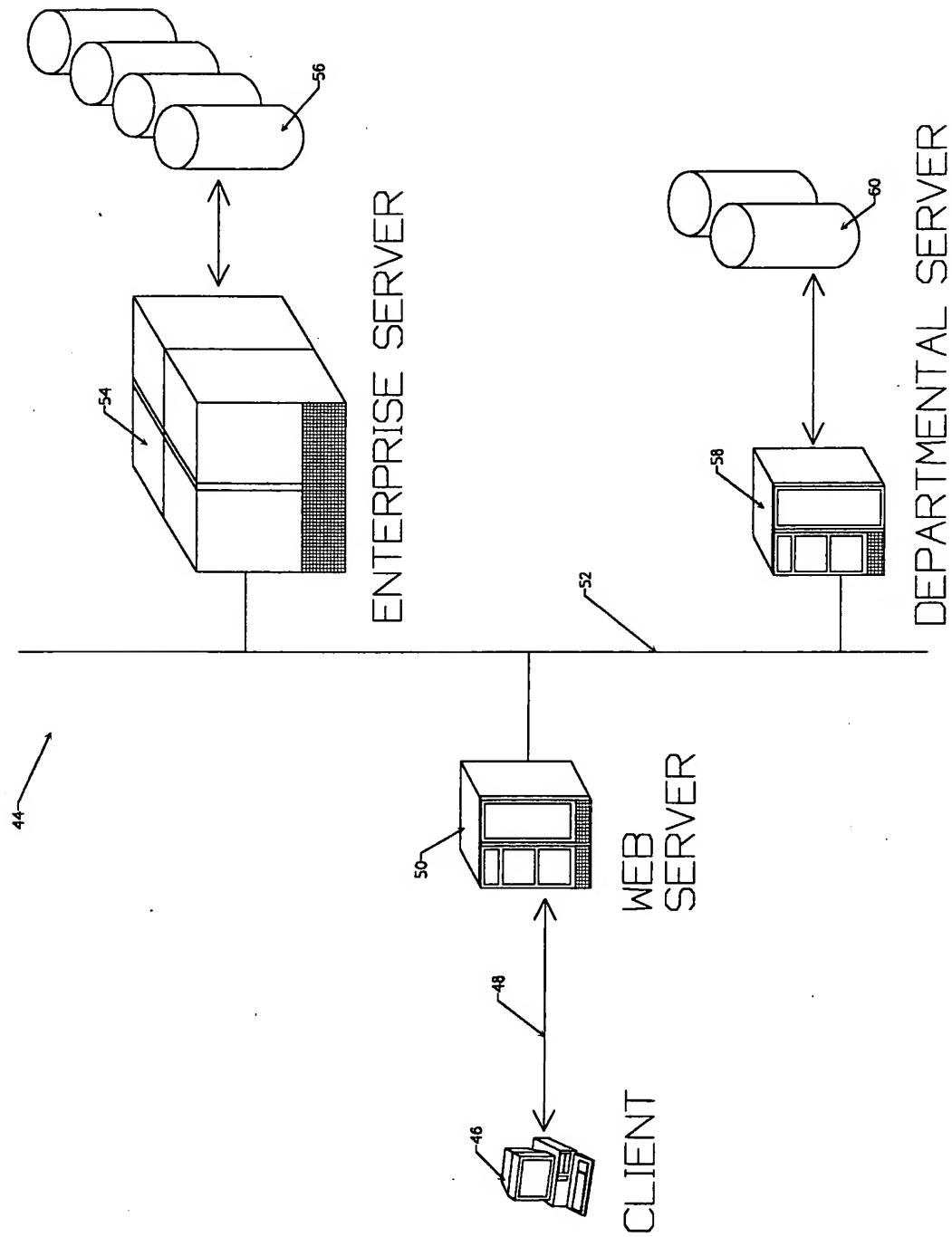


FIG. 3

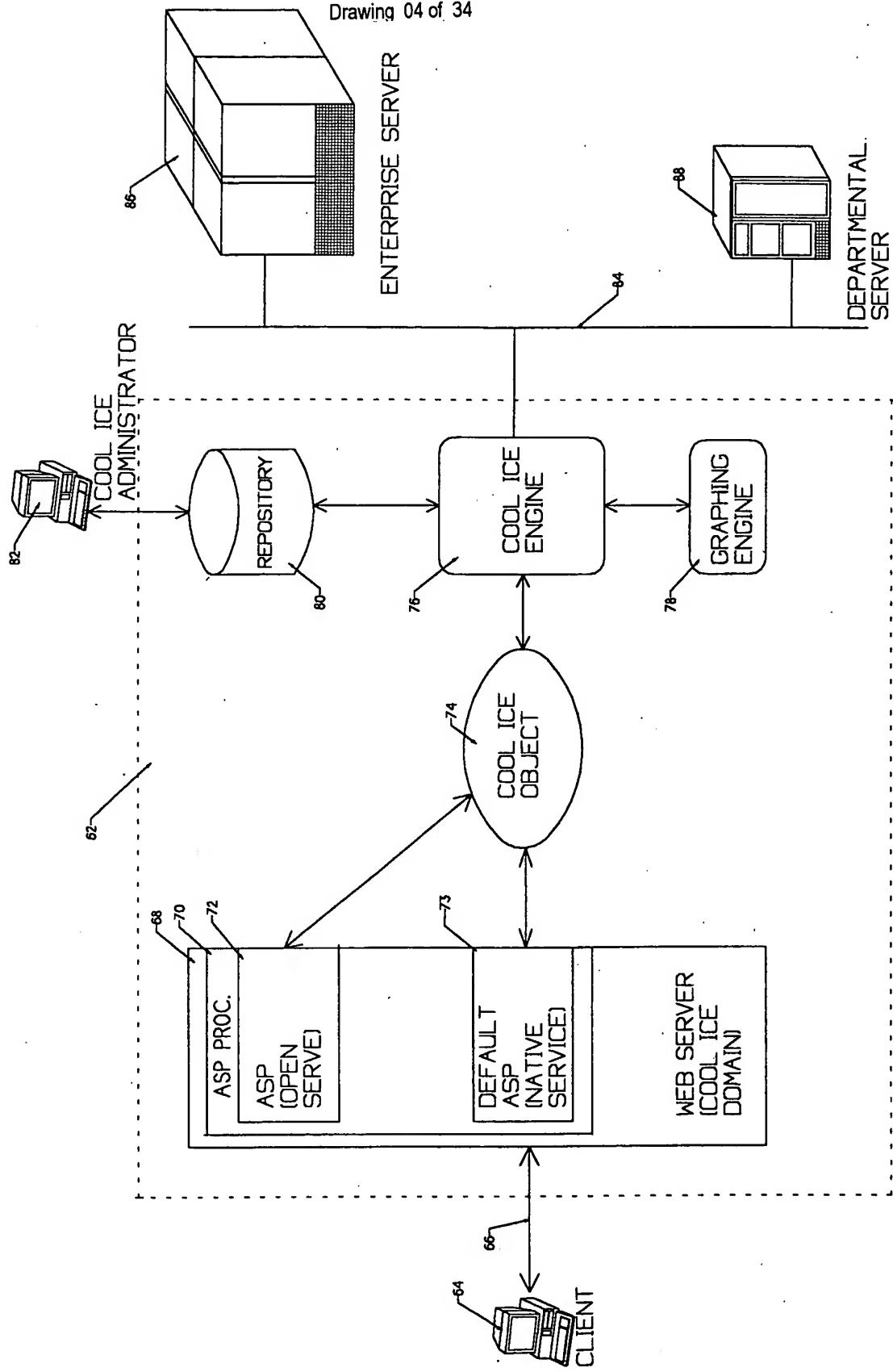
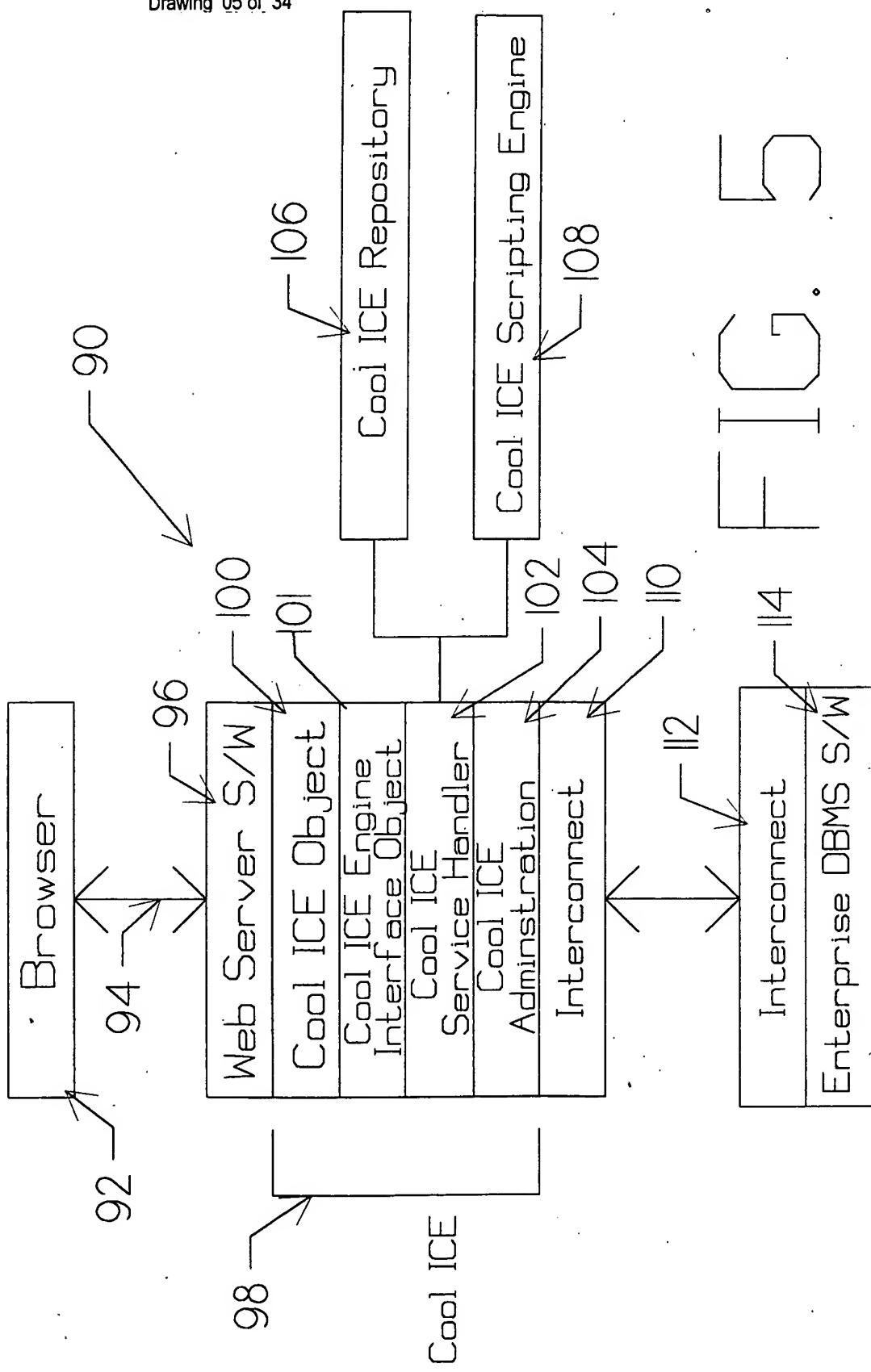


FIG. 4



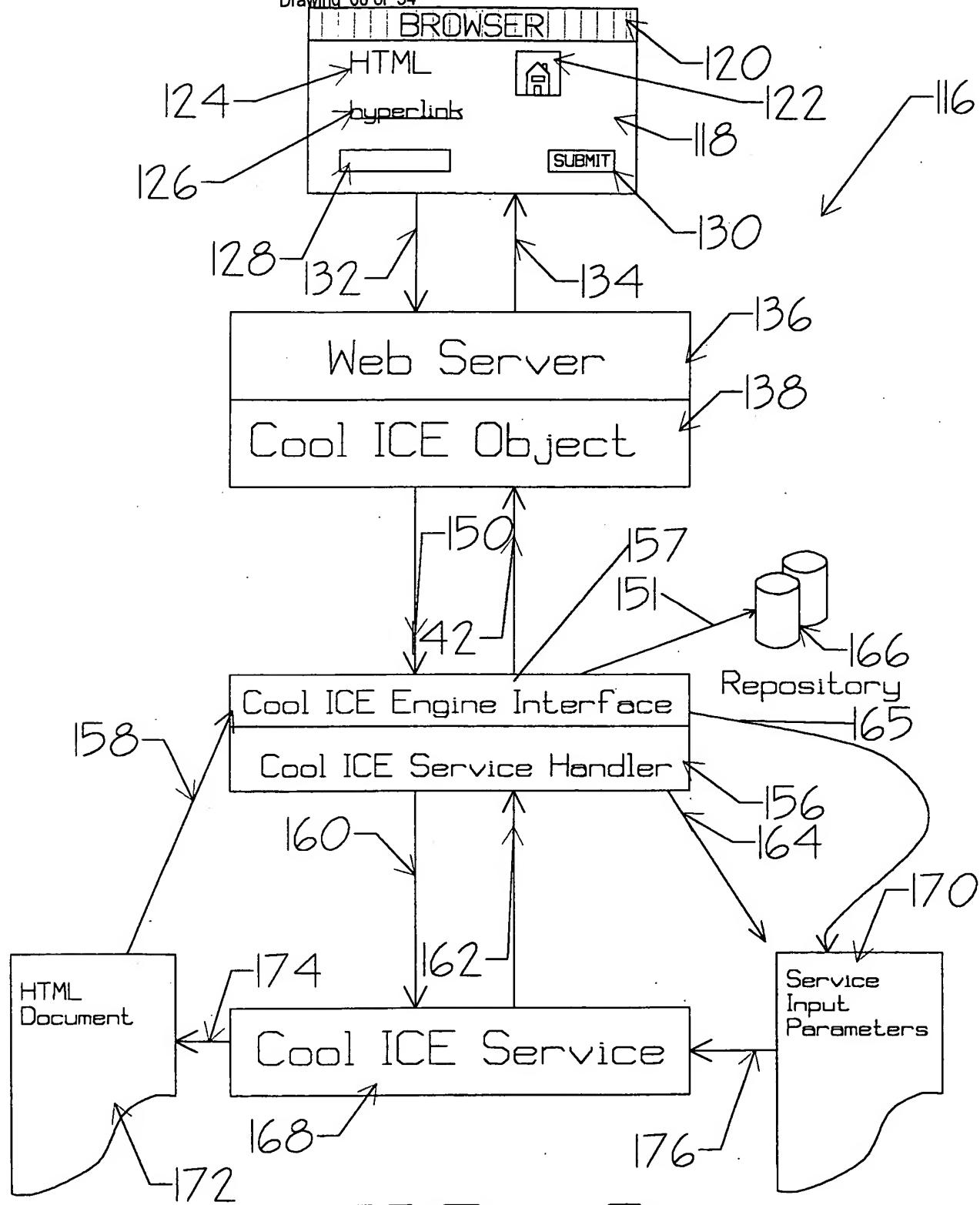


FIG. 6

20027478-122102

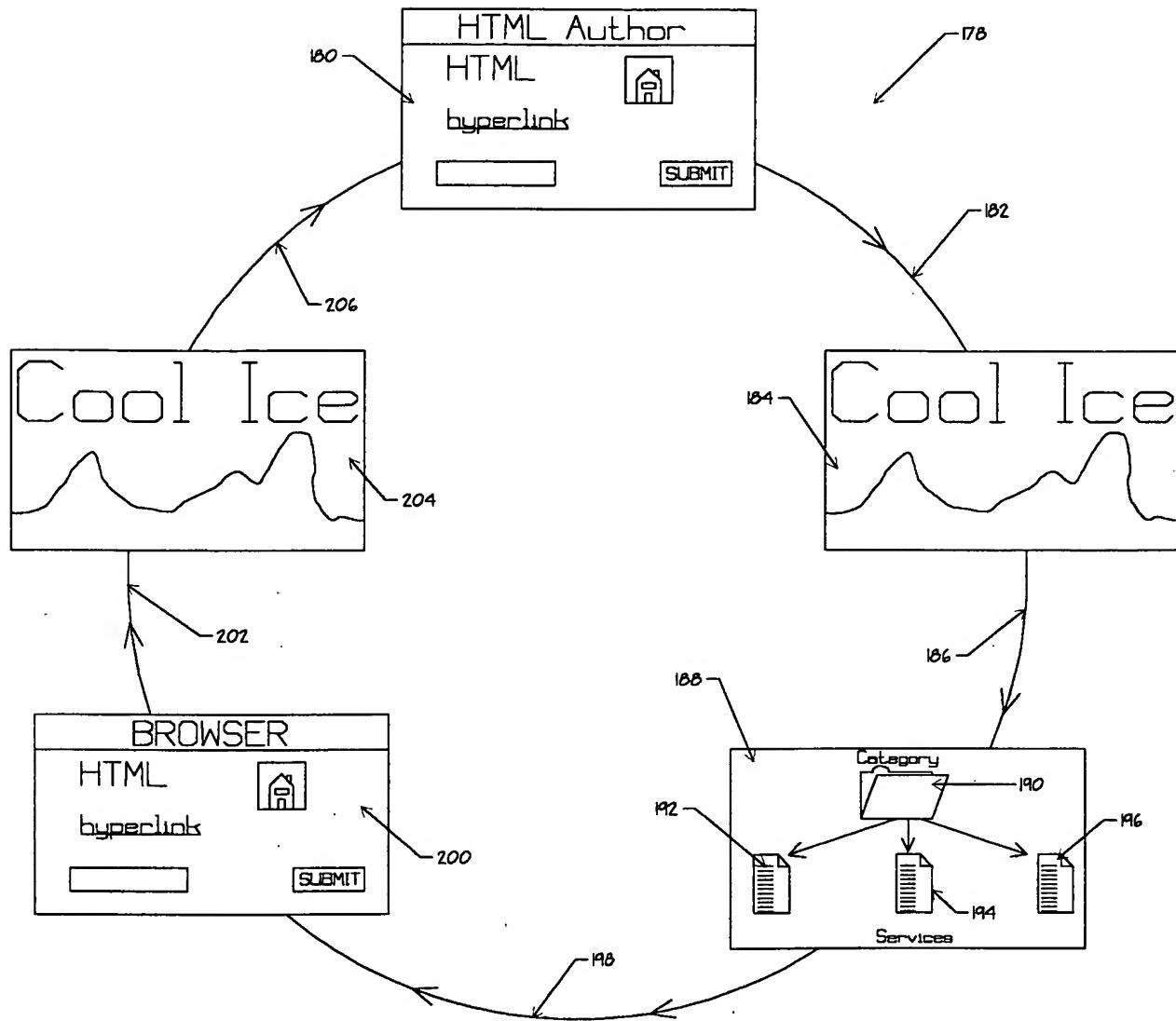
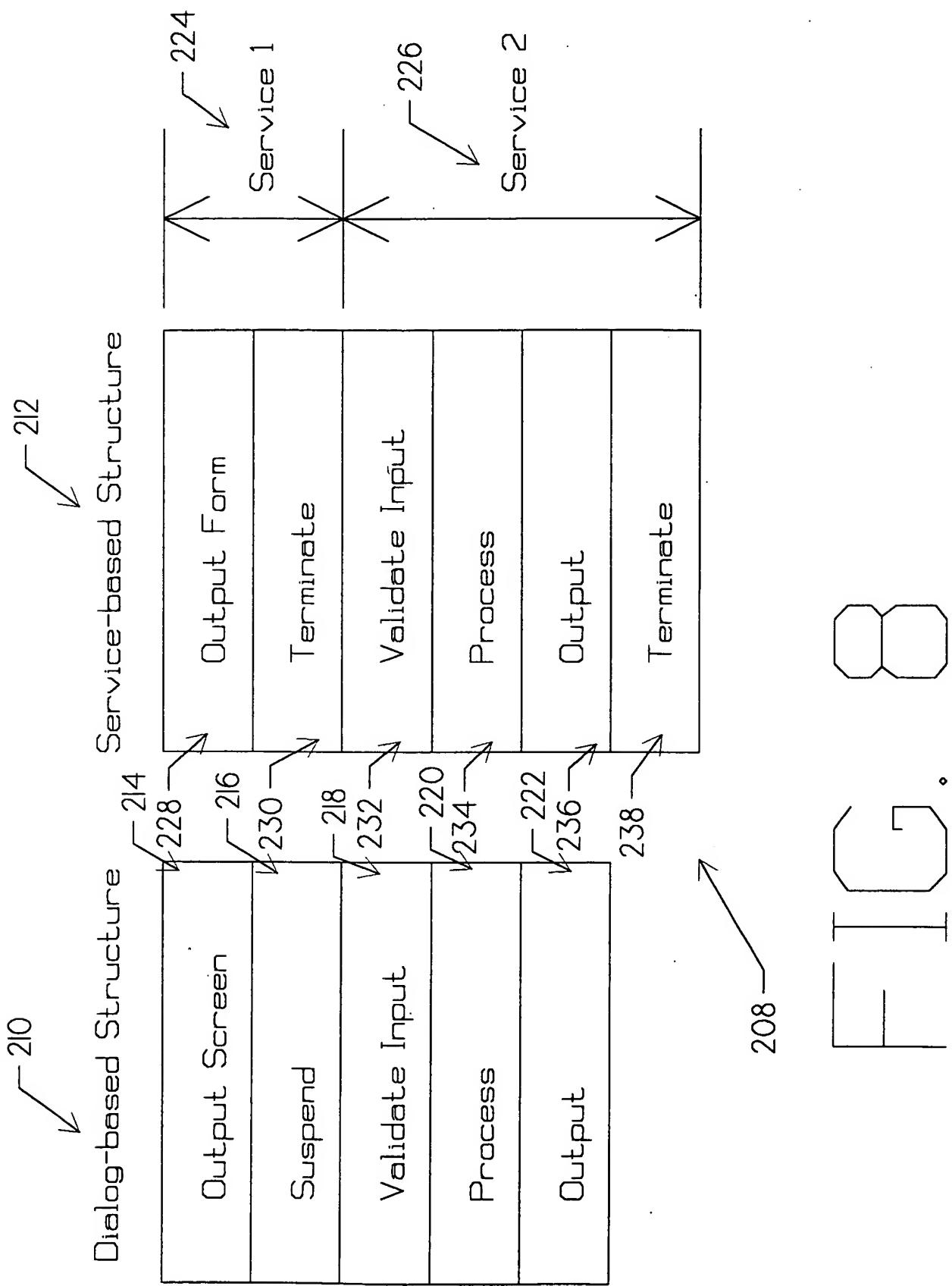


FIG. 7



T0T00F-0122400T

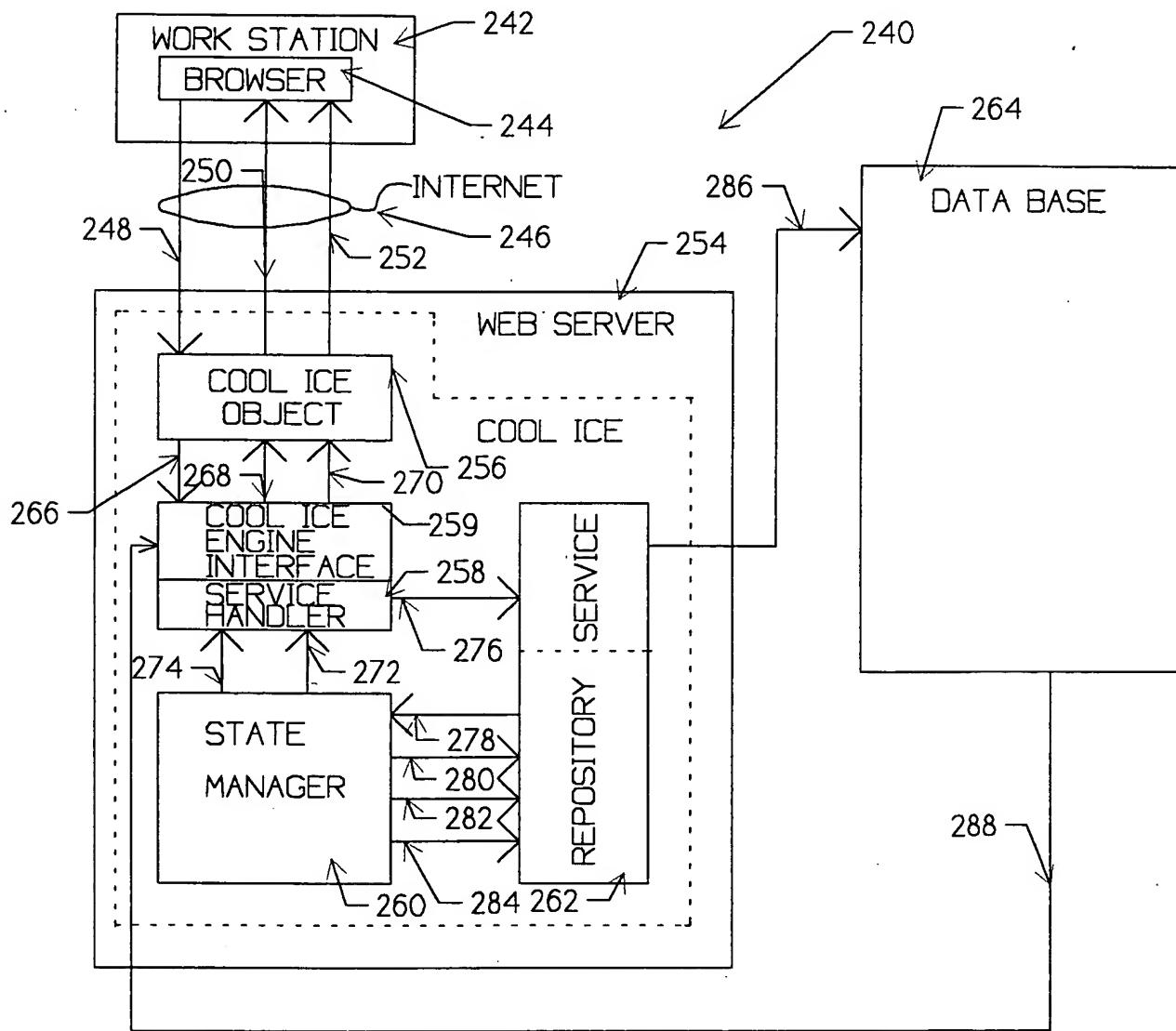


FIG. 9

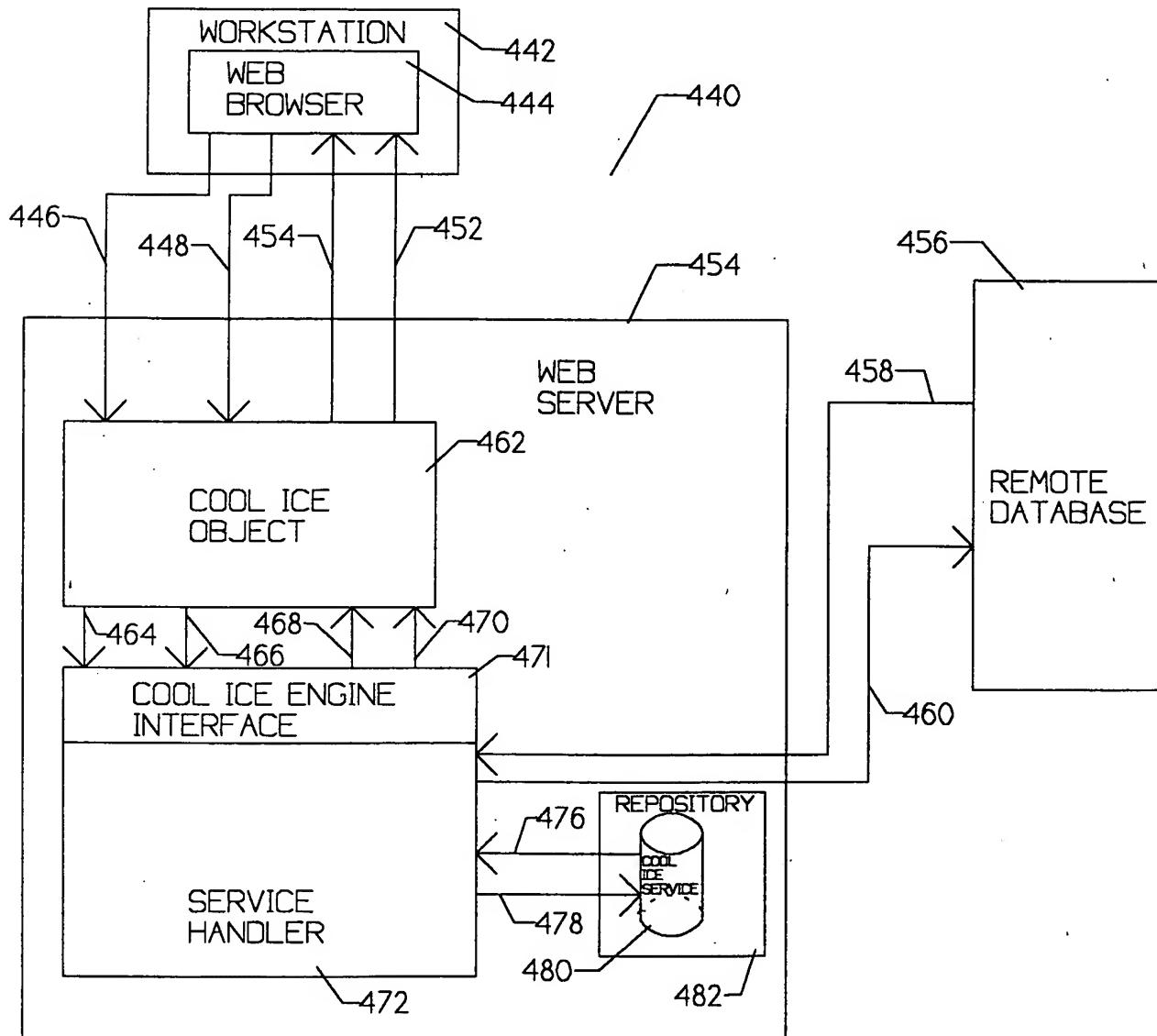


FIG. 10

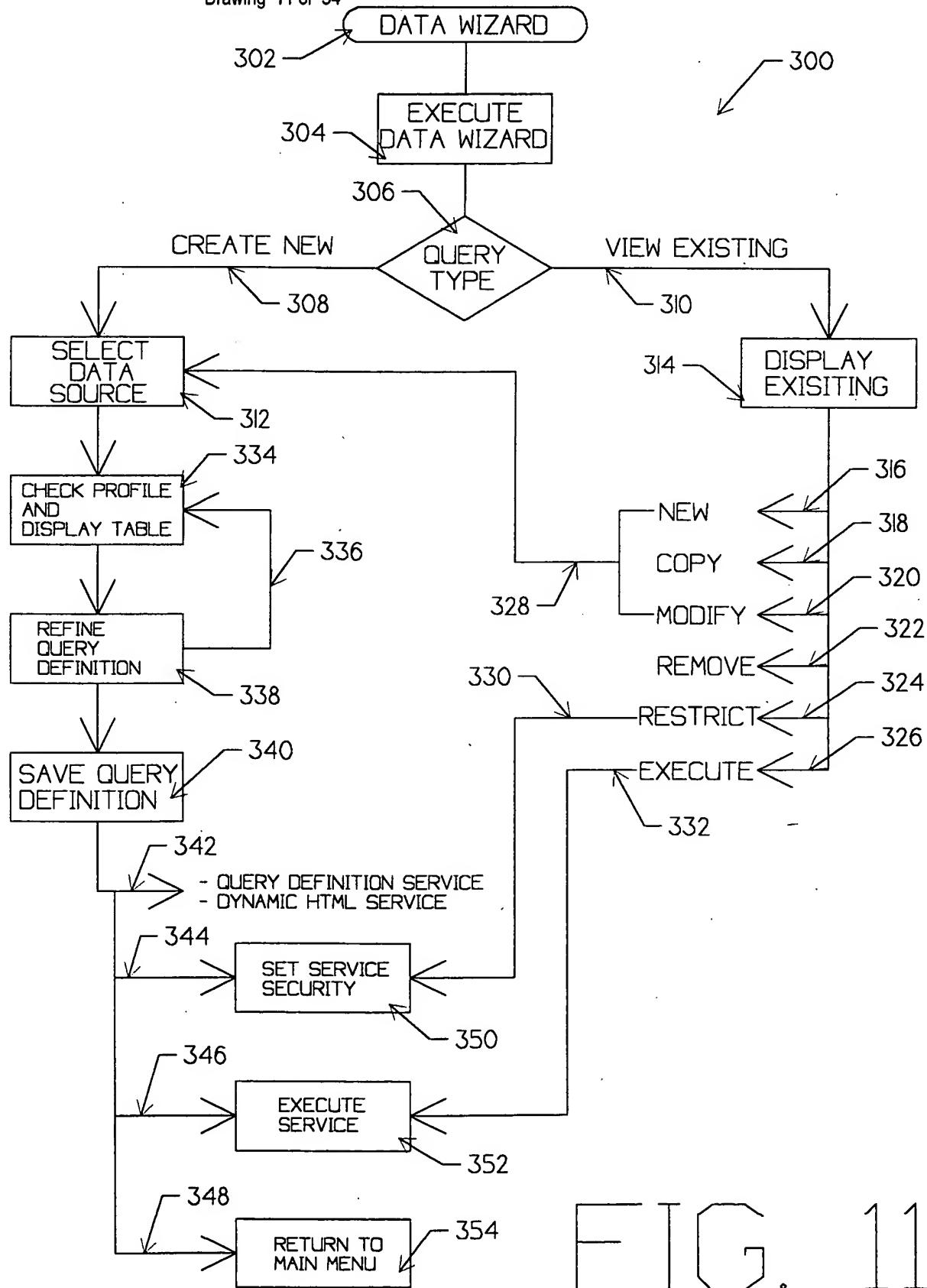


FIG. 11.

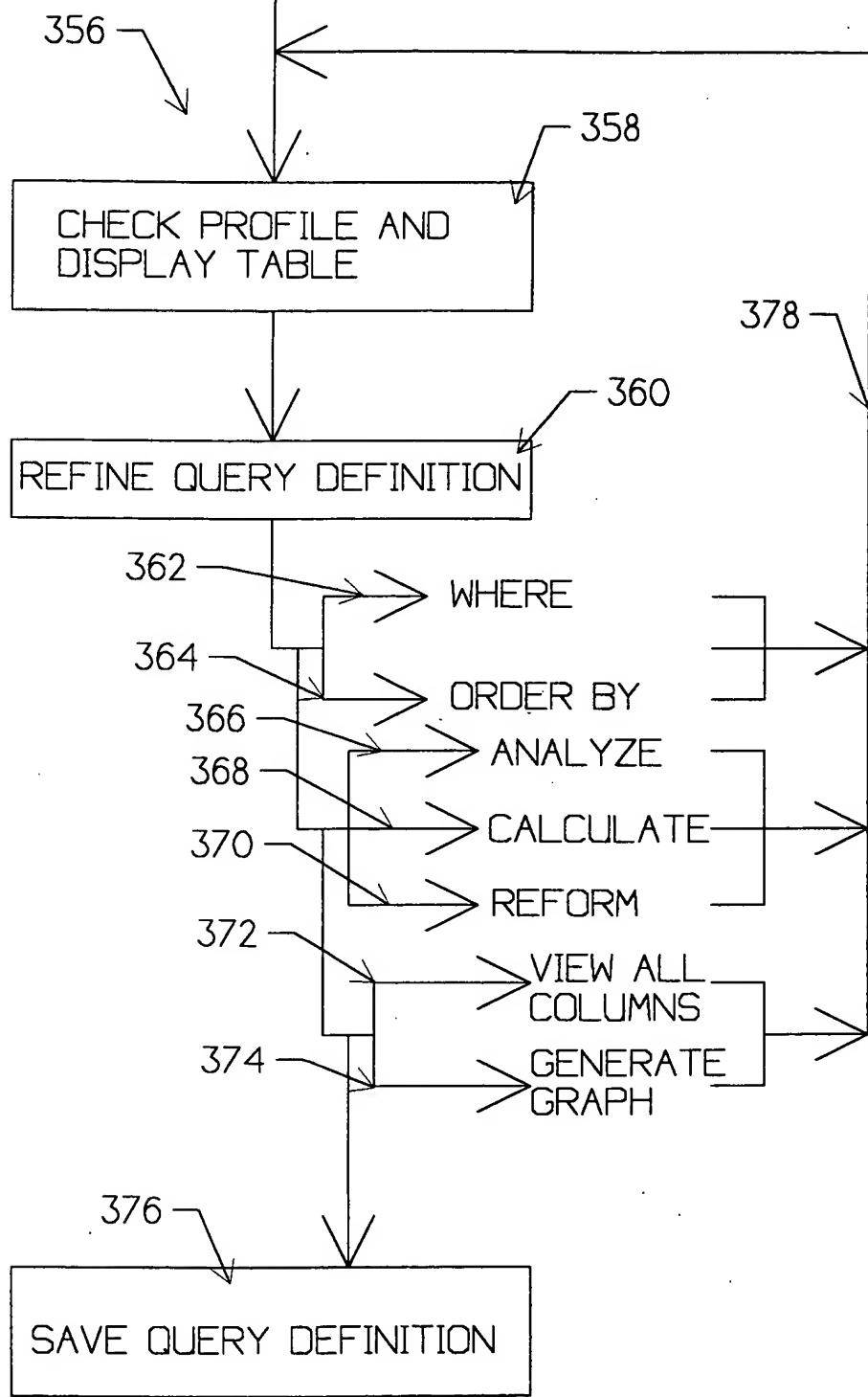


FIG. 12

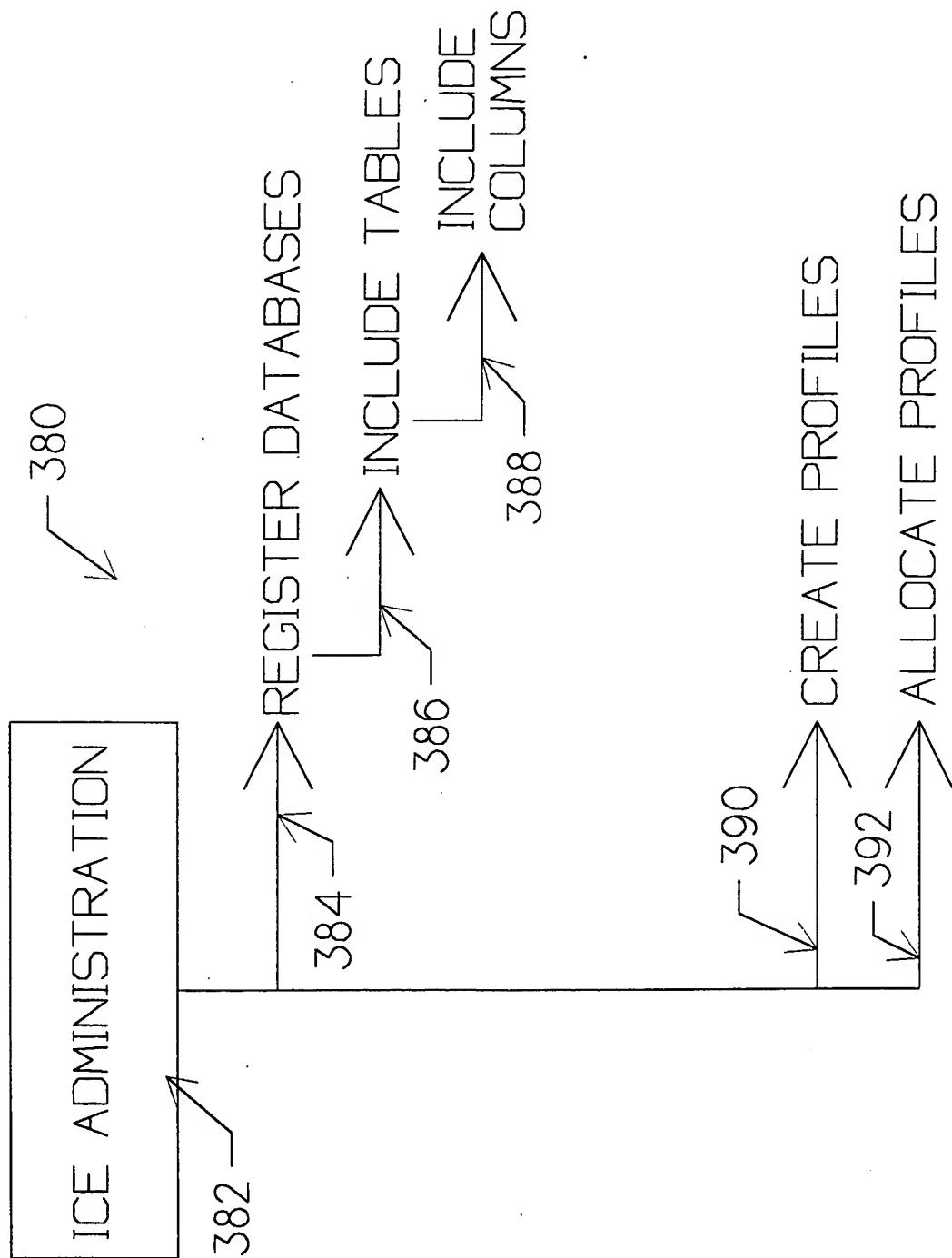


FIG. 13

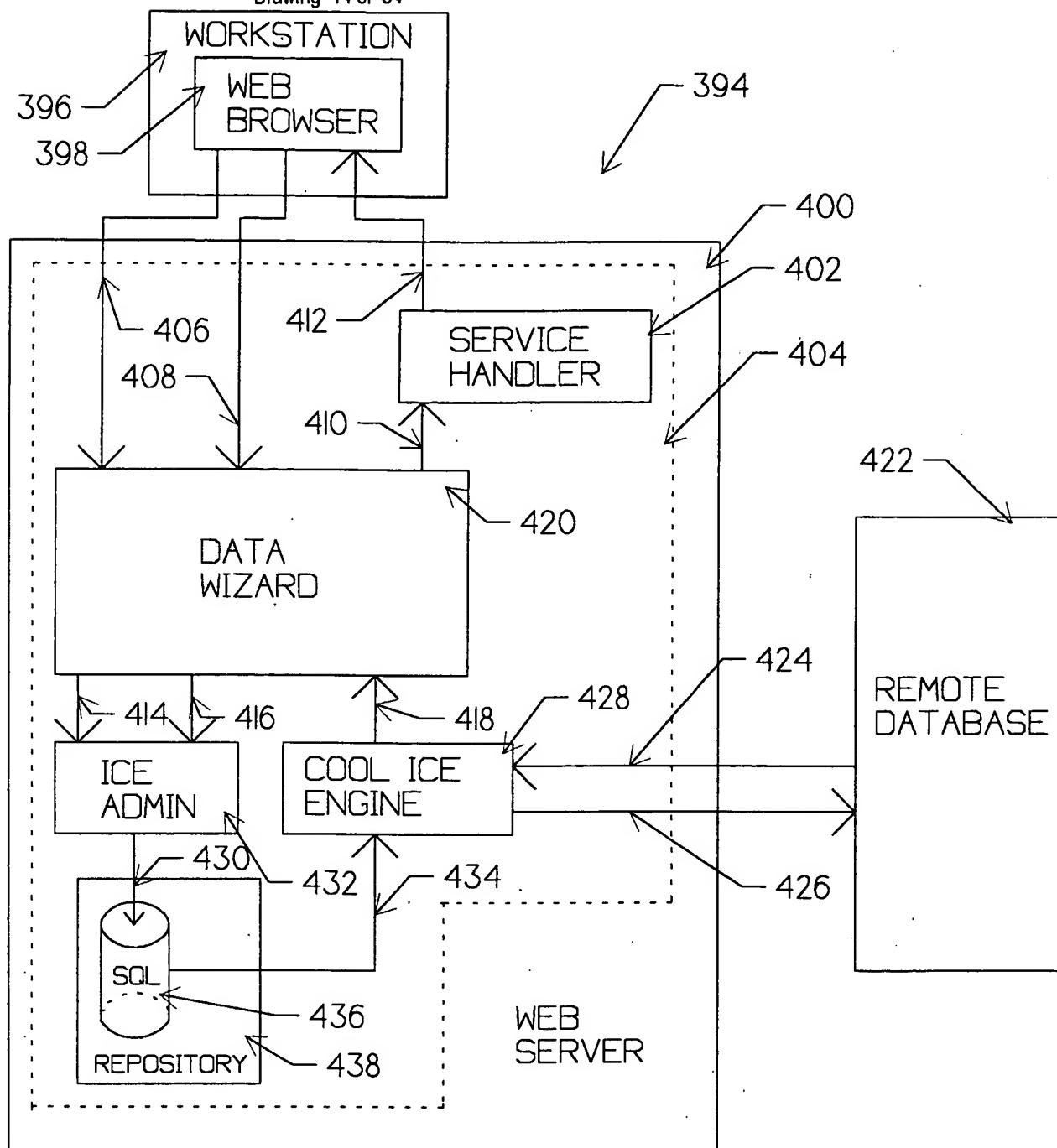
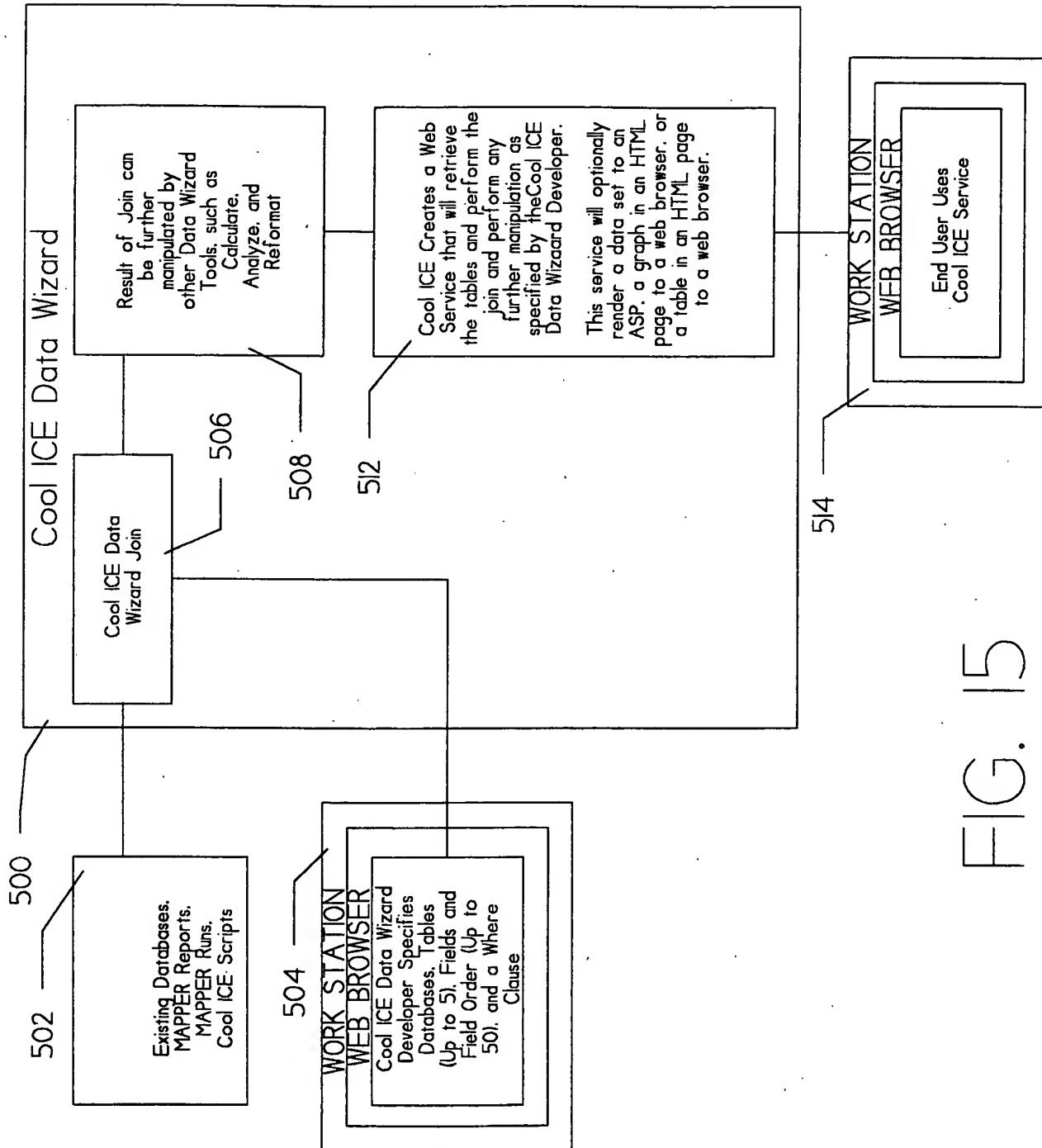
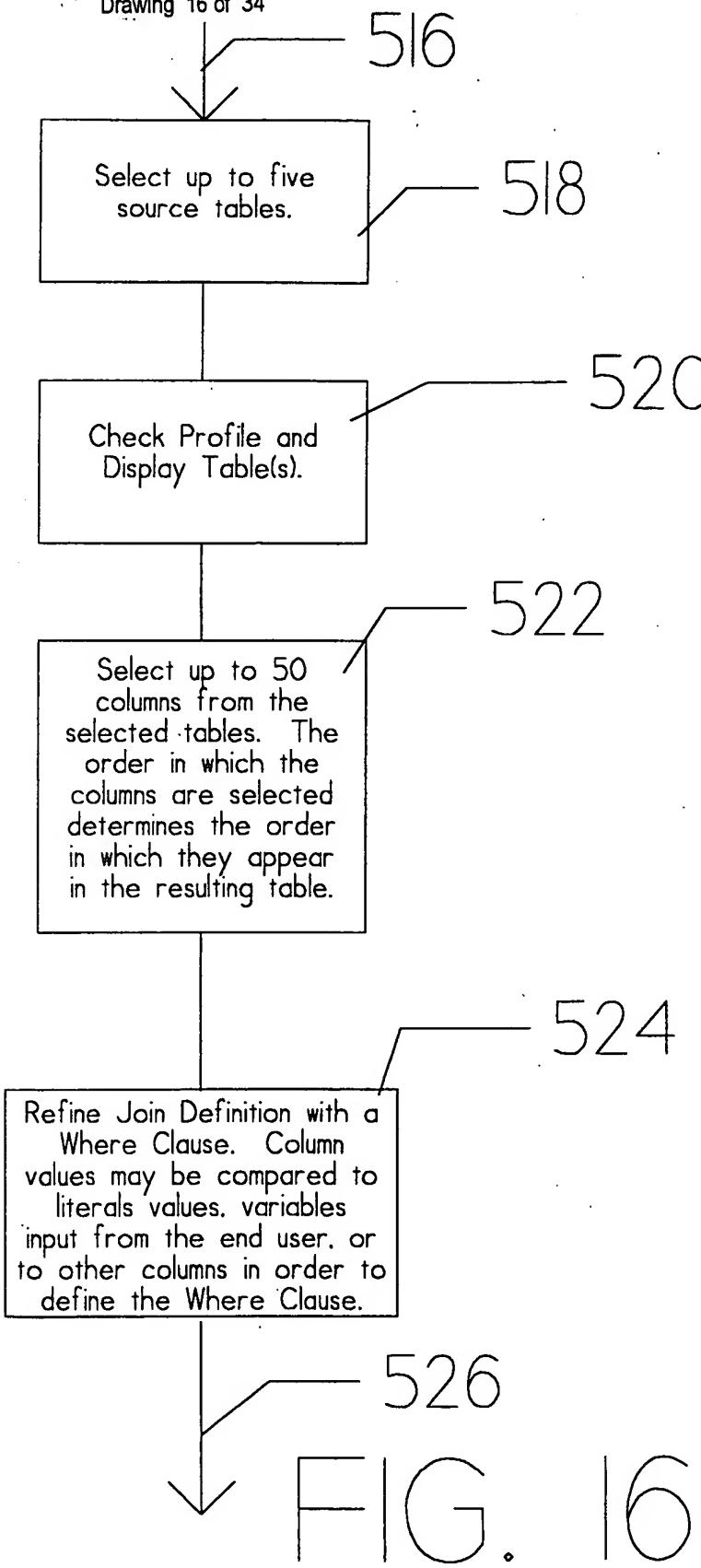
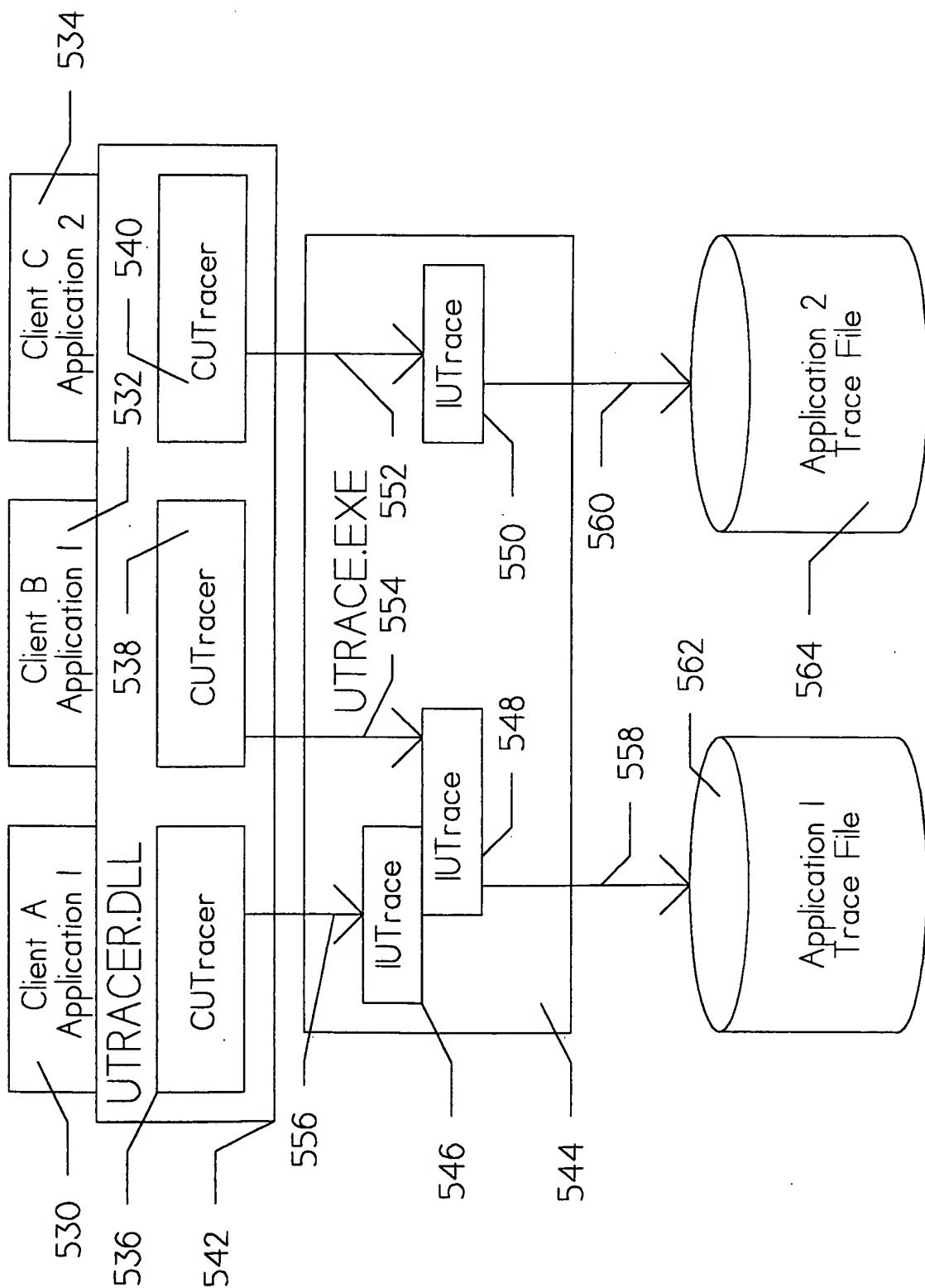


FIG. 14







HKLM\SOFTWARE\UNISYS\UTRACE

APPNAME -- Subkey matching the name of the application

ENABLETRACE -- DWORD value indicating a Boolean (1=trace, 0=no trace).

MAXENTRIES -- DWORD value indicating the maximum number of entries in the trace file. If missing, then no upper limit is imposed.

FORMATFLAGS -- DWORD value indicating message formatting flags.

POLICYFLAGS -- DWORD value indicating trace policy flags set for the application.

TRACELEVEL -- DWORD value indicating a trace level. 0 = no trace.

TRACEPATH -- String value indicating the directory path for the trace files.

REGTRACE -- A string value containing the HKEY\Software sub key to trace for this application. Blank or missing for no registry trace.

COMPONENT -- A subkey for a specific component of the application.

POLICYFLAGS -- Value indicating component level trace policy flags

TRACELEVEL -- DWORD Value indicating a trace level. 0 = no trace.

VERSIONTRACE -- String value specifying executable component name for version information tracing.

FIG. 18

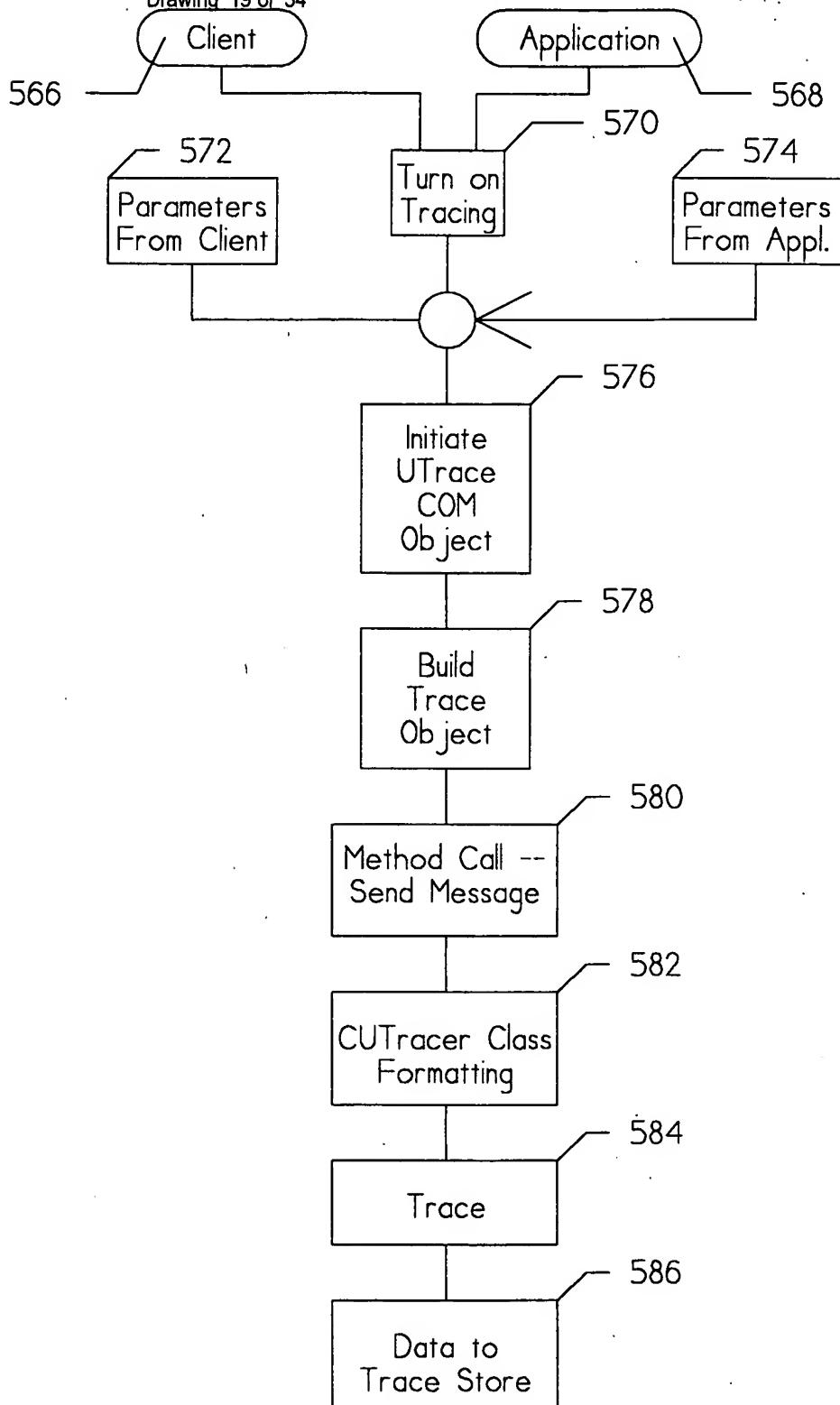


FIG. 19

10027478-122101

```
#define CL_TRACE_VERSION 0x1
#define CL_TRACE_ERROR 0x2
#define CL_TRACE_INTERFACE 0x4
#define CL_TRACE_FLOW 0x8
#define CL_TRACE_DETAIL 0x10
```

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FIG. 20A

```
if (m_trace.Active(C)_TRACE_DETAIL))  
m_trace<<"MY Detailed Trace information"<<Localvariable<<traceit
```

FIG. 20B

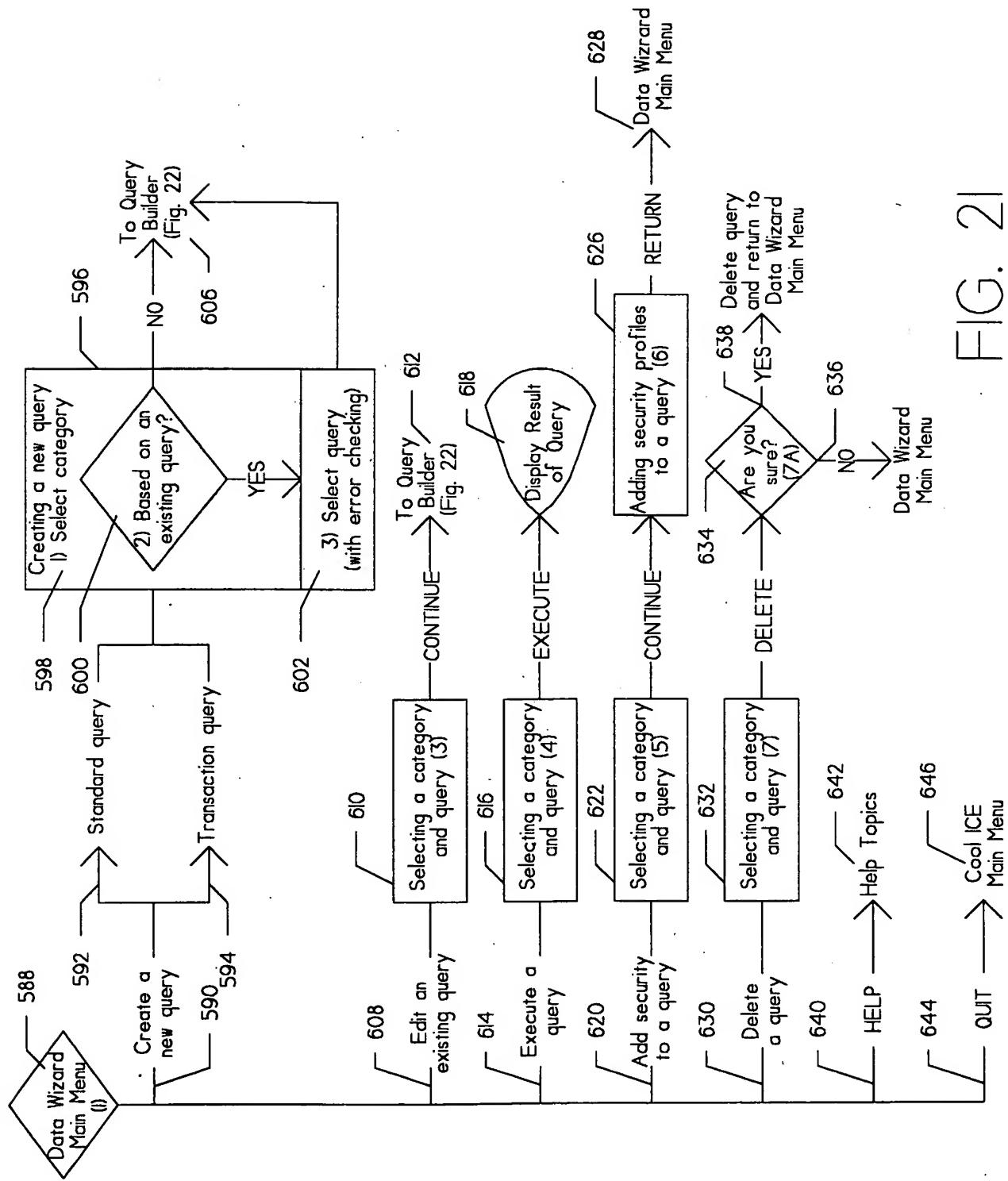


FIG. 2

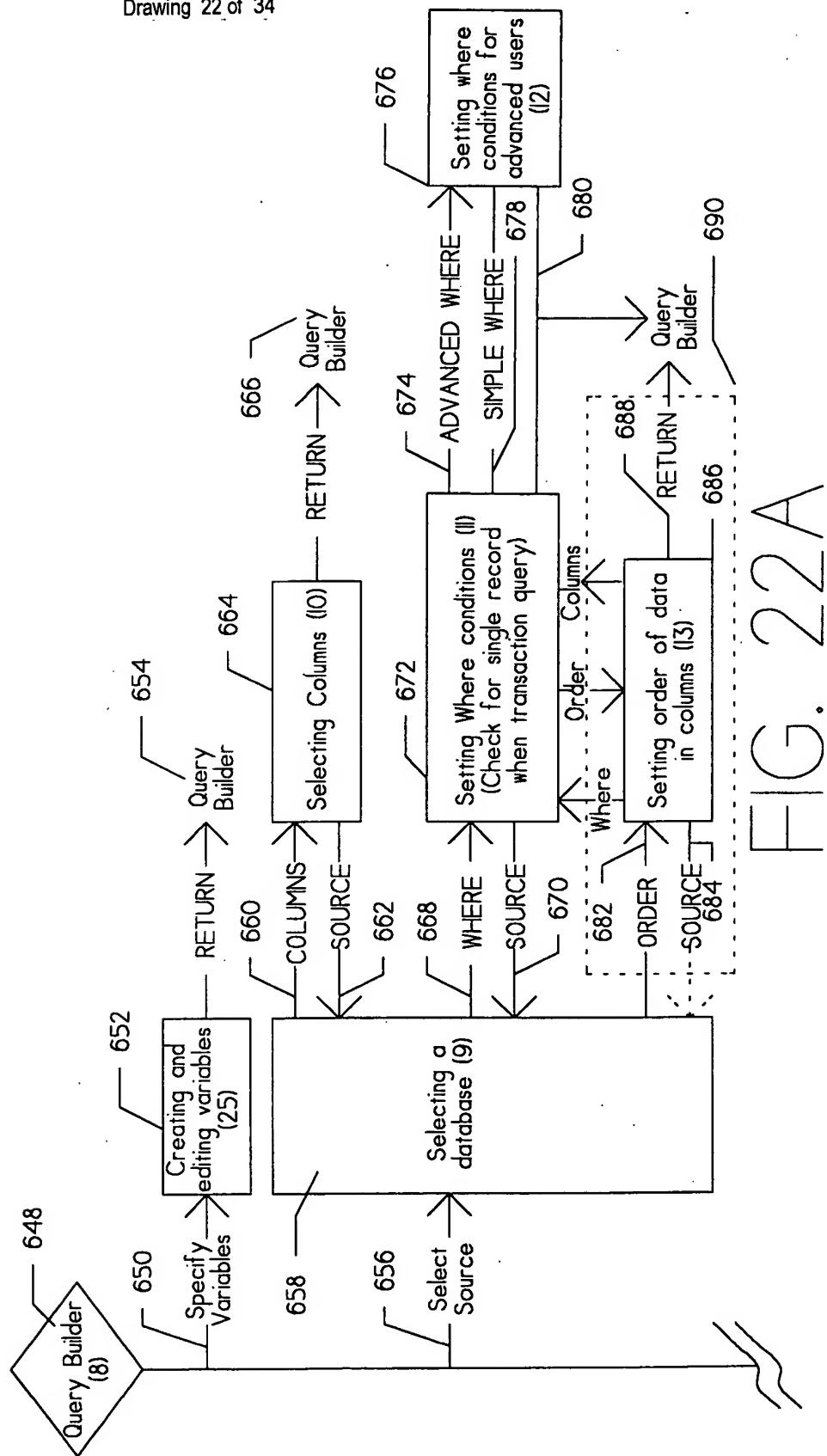


FIG. 22A.

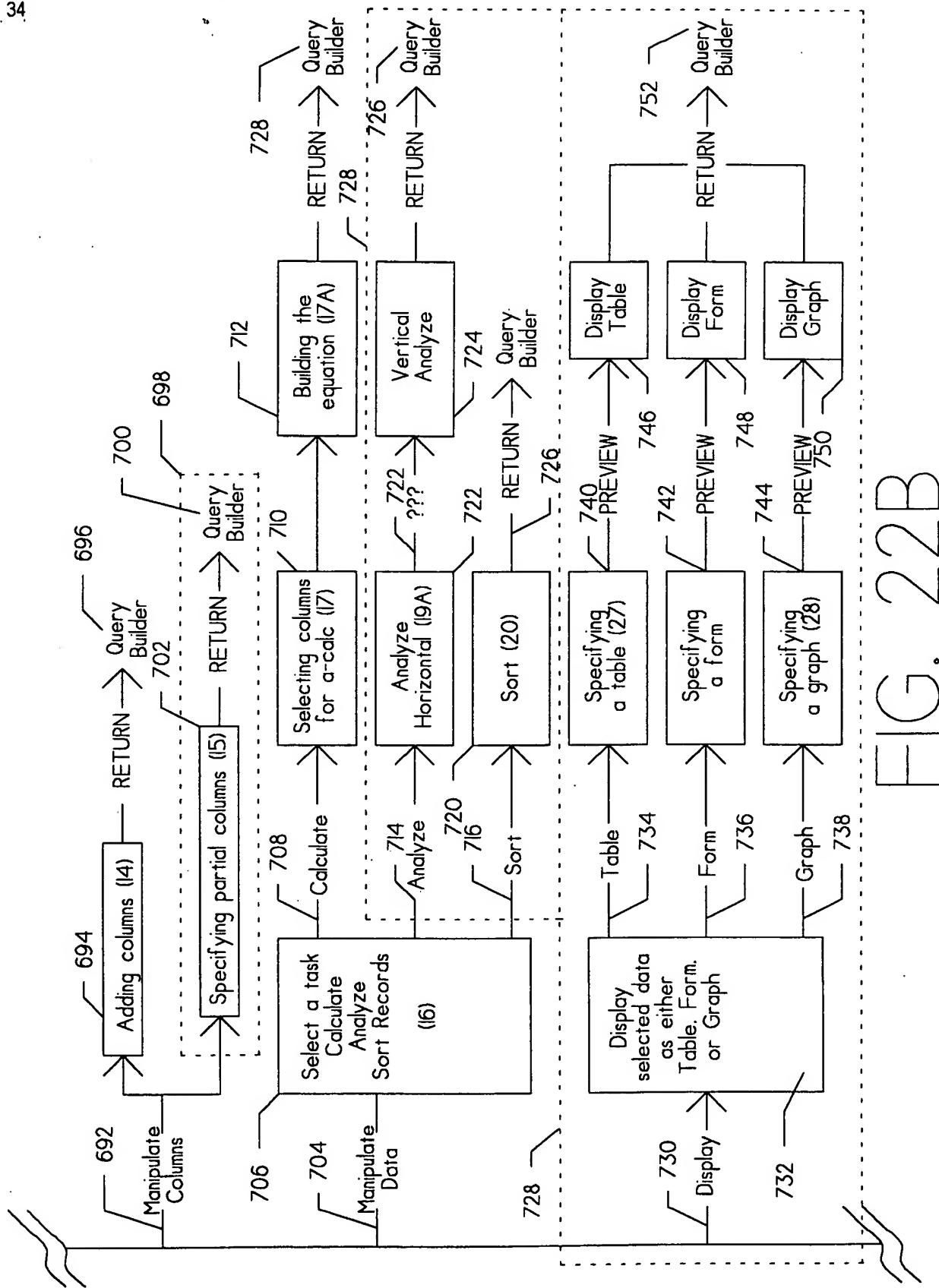
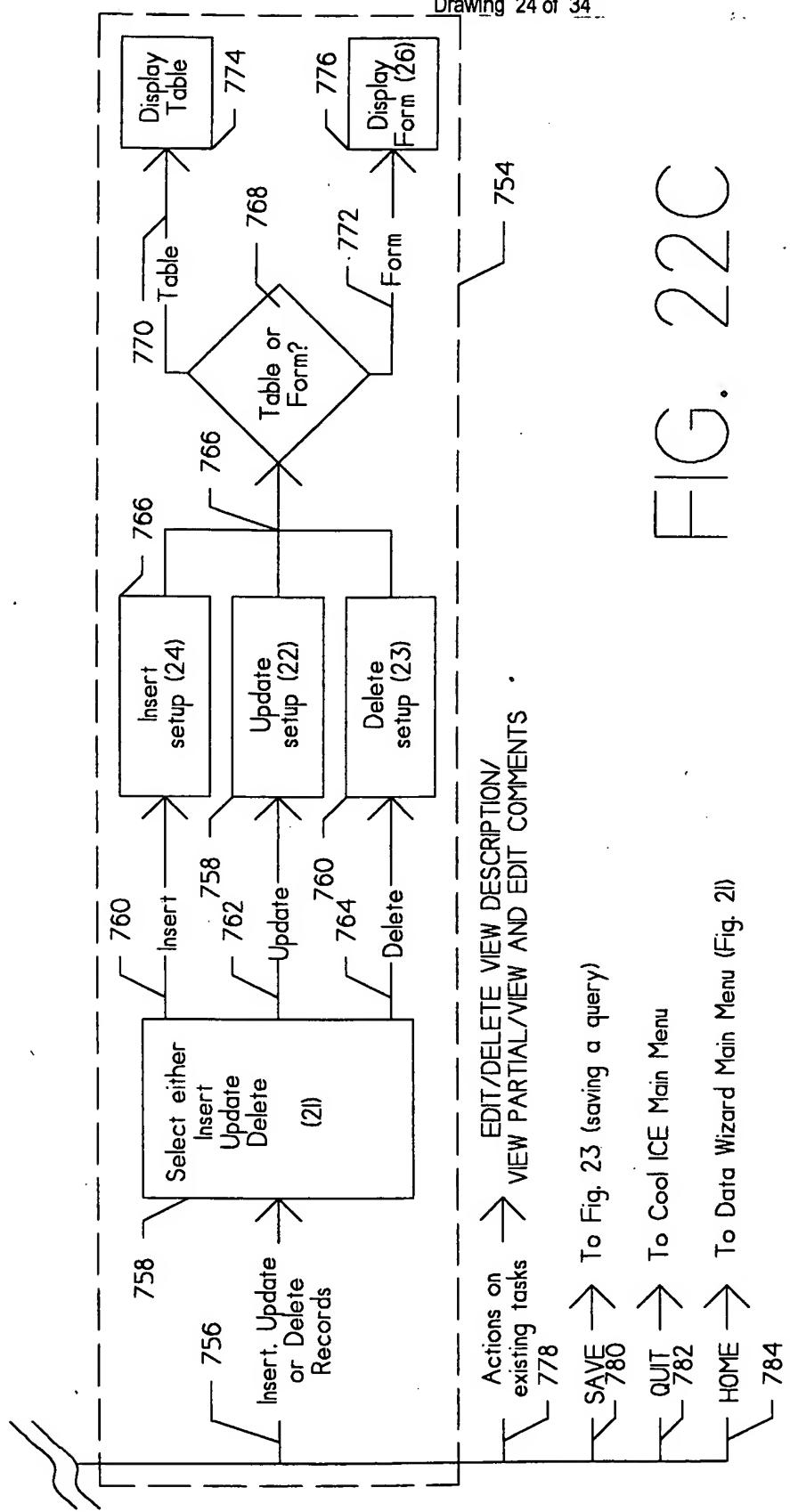
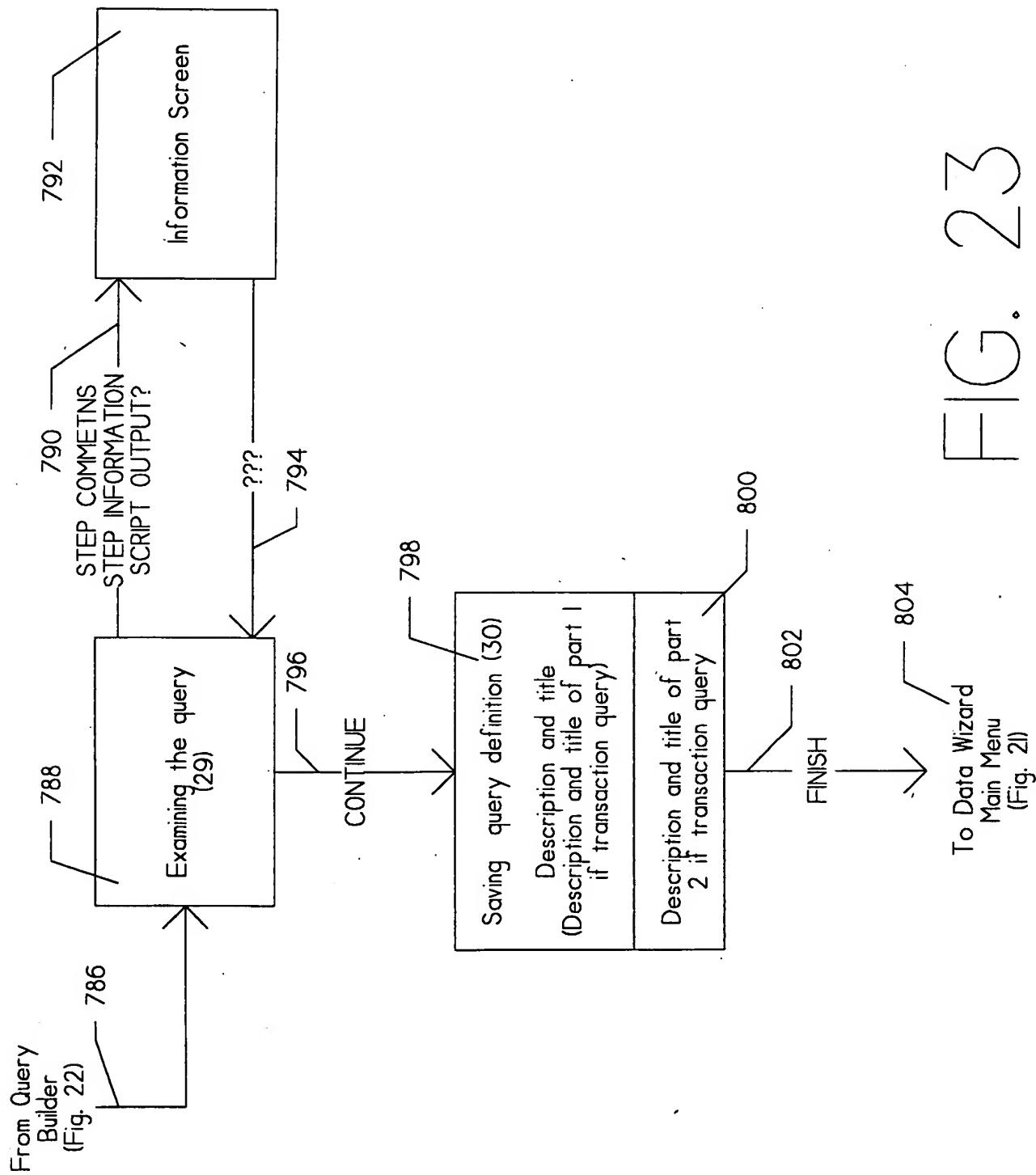


FIG. 22B





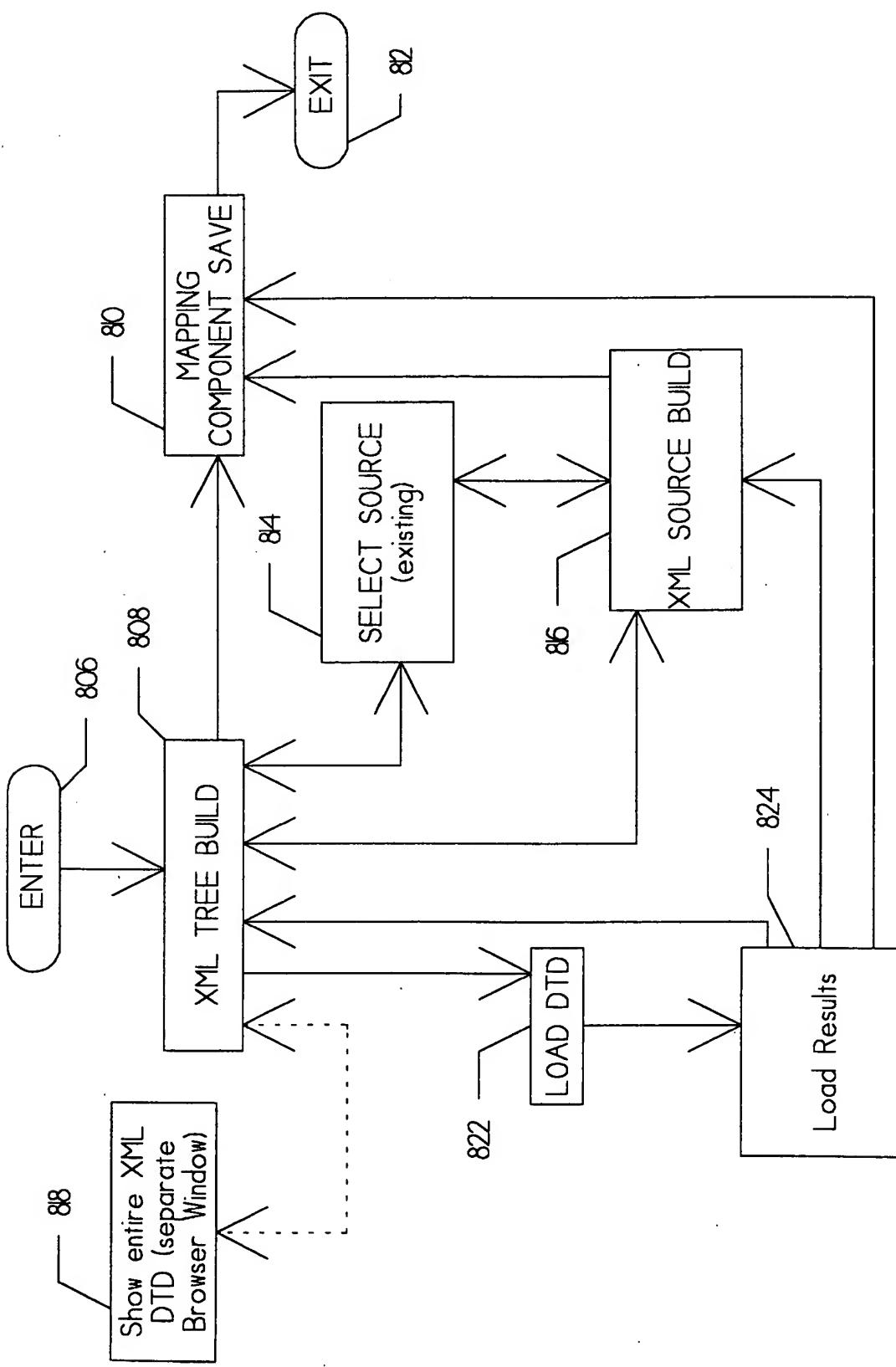


FIG. 24

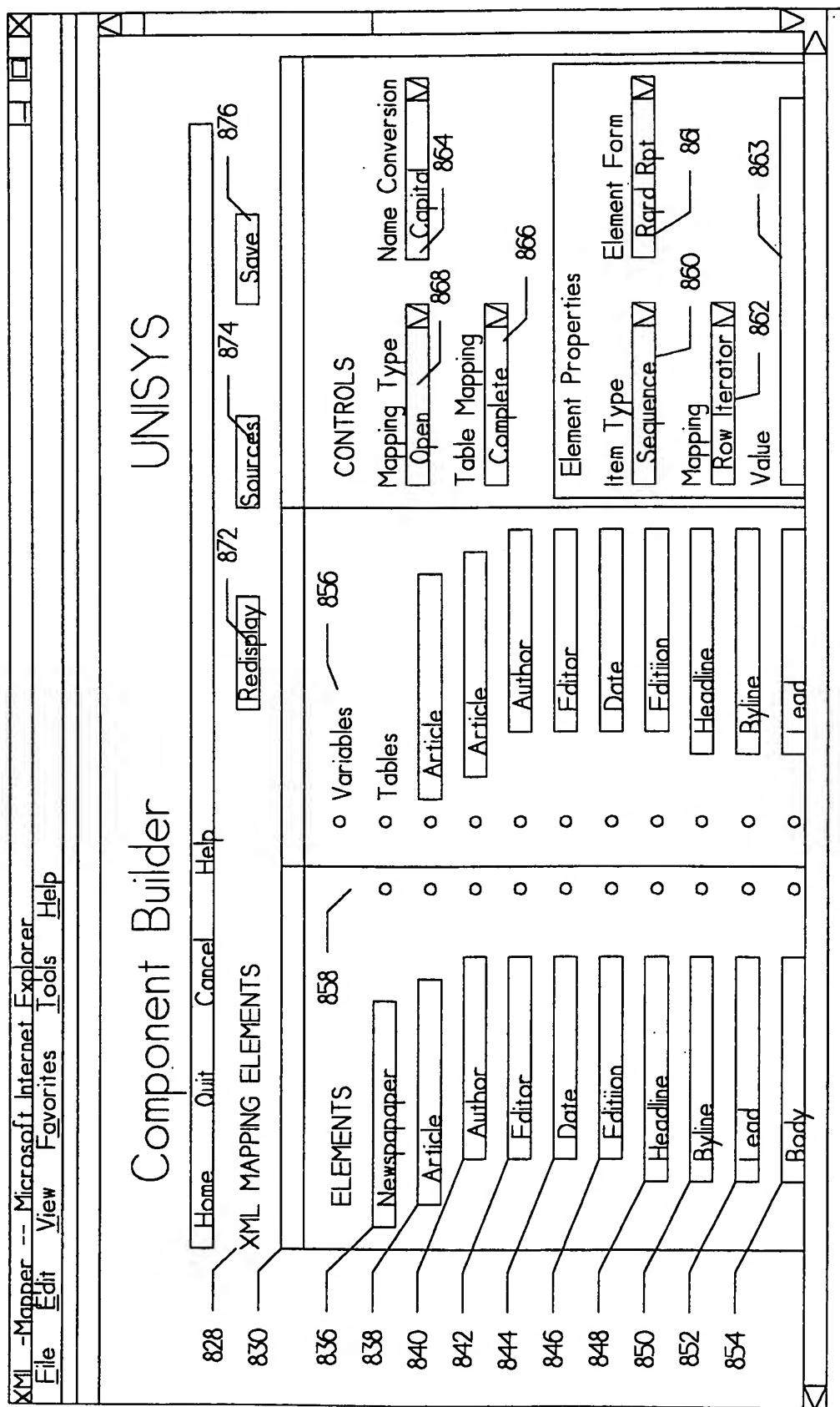


FIG. 25

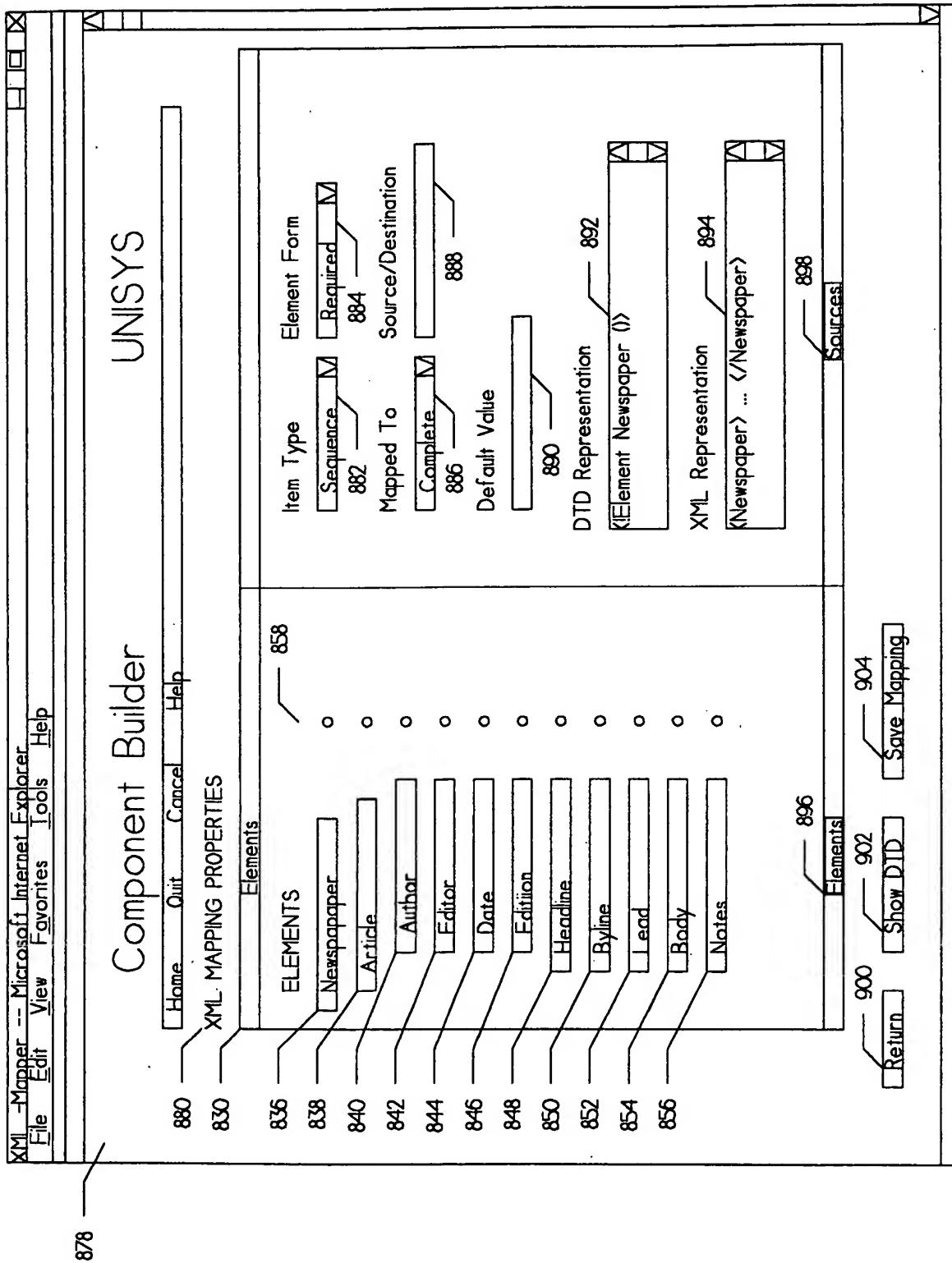


FIG. 26

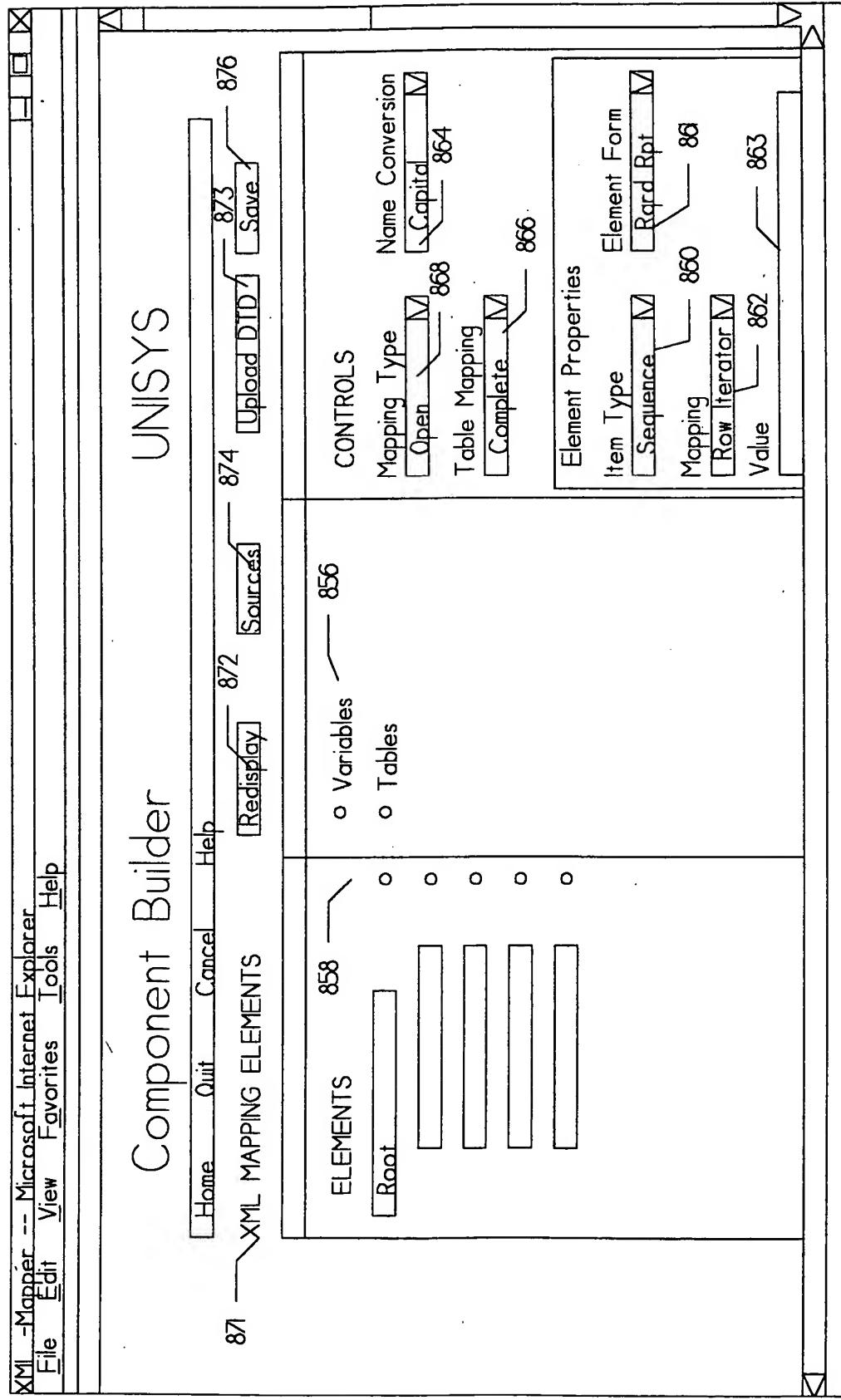
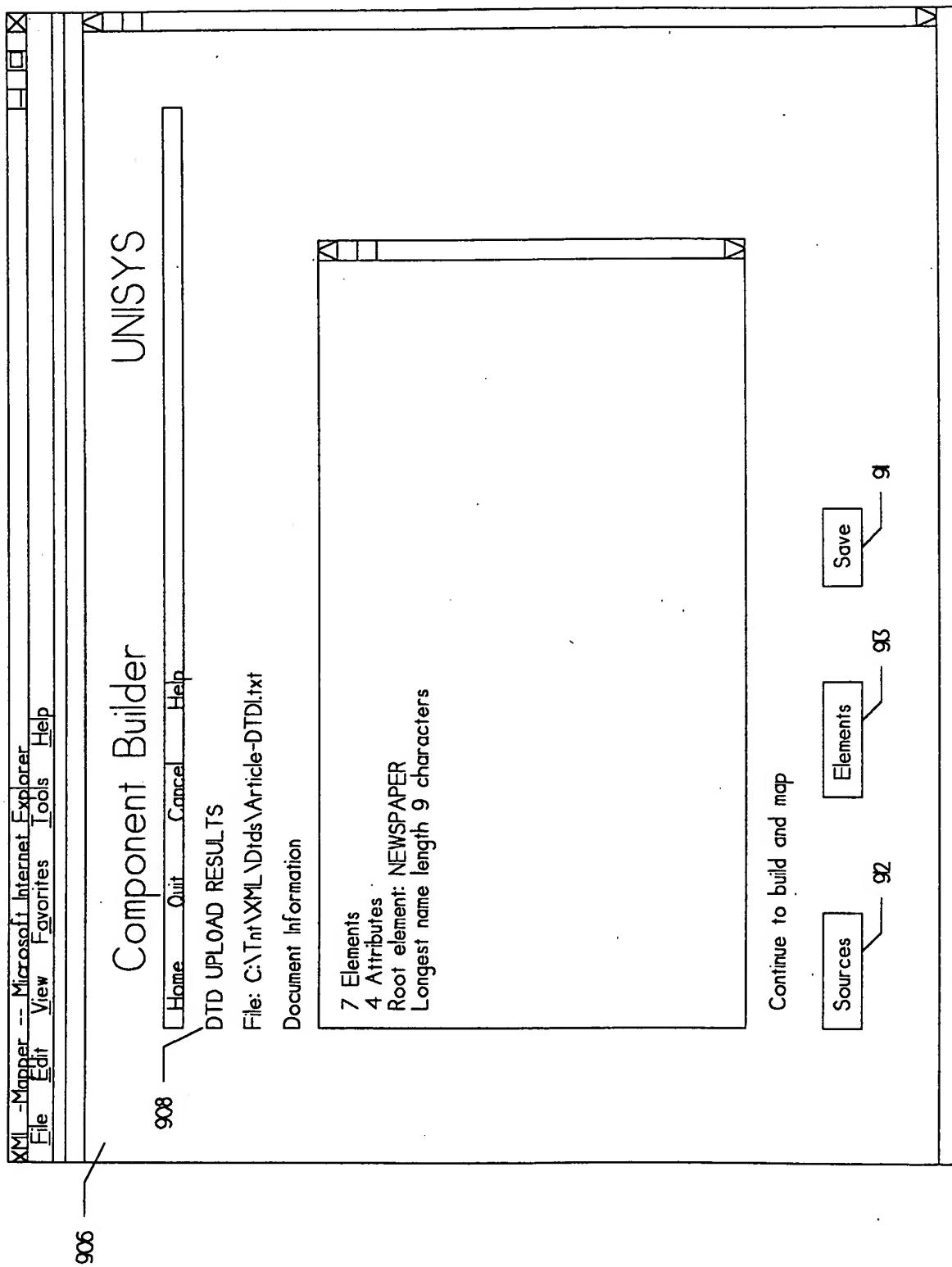


FIG. 27



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IDT EXAMPLE

Version:AC:0.0 90
Truncation:AC:0 92
TypeCheck:AC:0 93
ShoeData:ED:0:R 94
From:DE:I:R
From:EV:Supplier:20:string
TableType:ED:I:R
TableType:EV:TableInfo:50:string
Inventory:ED:I:R
Inventory:BT:Inventory:7
Inventory:IH:ITEMNUMBER:I0
Inventory:IH:QTY:5
Inventory:IH:TYPE:I0
Inventory:IH:GENDER:6
Inventory:IH:SIZ:3
Inventory:IH:COLOR:3I
Inventory:IH:UNITCOST:I3
Date:AD:I:R
Date:AV:Date:I0:string
Time:AD:I:R
Time:AV:Time:5:string
Row:ED:2:R
Row:BR:I
ItemNr:ED:2:R
ItemNr:EF::ITEMNUMBER:I0:R:string
Quantity:AD:2:R
Quantity:AF::QTY:5:R:string
Type:ED:2:R
Type:EF::TYPE:I0:L:string:
Gender:ED:2:0
Gender:EF::GENDER:6:L:string:UniSex
Size:ED:2:R
Size:EF::SIZ:3:L:string:
Color:ED:3:0
Color:EF::COLOR:3I:L:string:White
Unitcost:ED:2:R
Unitcost:EF::UNITCOST:I3:R:string:
Row:EE:2
Row:ER:a
Inventory:EE:I
Inventory:ET:I 96

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FIG. 29

DTD EXAMPLE 98

<!DOCTYPE ShoeData [

```
<!ELEMENT ShoeData (From, TableType, Inventory)>
<!ELEMENT From (#PCDATA)>
<!ELEMENT TableType (#PCDATA)>
<!ELEMENT Inventory (Row+)>
<!ELEMENT Row (ItemNr, Type, Date, CDATA #REQUIRED)>
<!ELEMENT ItemNr (#PCDATA)>
<!ELEMENT Type (#PCDATA)>
<!ELEMENT Date (#PCDATA)>
<!ELEMENT Inventory (Time, CDATA #REQUIRED)>
<!ELEMENT Time (#PCDATA)>
<!ELEMENT Row (ItemNr, Type, Gener?, Size, Color?, Unitcost)+>
<!ELEMENT ItemNr (#PCDATA)>
<!ELEMENT Type (#PCDATA)>
<!ELEMENT Gener (#PCDATA)>
<!ELEMENT Size (#PCDATA)>
<!ELEMENT Color (#PCDATA)>
<!ELEMENT Unitcost (#PCDATA)>
```

FIG. 30

XML INPUT DOCUMENT EXAMPLE

```
<?xml version="1.0" encoding="ISO-8859-1"?> 920
<ShoeData>
  <From>Roseville Store</From>
  <TableType>Low Inventory Count</TableType>
  <Inventory Date="2000-12-05" Time="15:51">
    <Row>
      <ItemNr Quantity="0">32335</ItemNr>
      <Type>Tennis</Type>
      <Gender>Mens</Gender>
      <Size>6</Size>
      <Color>White/Zen Grey/New Spruce</Color>
      <Unitcost>25.00</Unitcost>
    </Row>
    <Row>
      <ItemNr Quantity="0">35410</ItemNr>
      <Type>Running</Type>
      <Gender>Womens</Gender>
      <Size>5</Size>
      <Color>White/Zen Grey/Neptune Blue</Color>
      <Unitcost>19.70</Unitcost>
    </Row>
    <Row>
      <ItemNr Quantity="0">35411</ItemNr>
      <Type>Running</Type>
      <Gender>Womens</Gender>
      <Size>6</Size>
      <Color>White/Zen Grey/Neptune Blue</Color>
      <Unitcost>19.70</Unitcost>
    </Row>
    <Row>
      <ItemNr Quantity="2">35420</ItemNr>
      <Type>Running</Type>
      <Gender>Womens</Gender>
      <Size>5</Size>
      <Color>White/Chlorine Blue/Hot Lime</Color>
      <Unitcost>19.70</Unitcost>
    </Row>
    <Row>
      <ItemNr Quantity="1">37421</ItemNr>
      <Type>Golf</Type>
      <Gender>Womens</Gender>
      <Size>8</Size>
      <Color>White/Fluorescent Pink</Color>
      <Unitcost>35.00</Unitcost>
    </Row>
    </Inventory>
  </ShoeData>
  <Color>White/Black-Hot Lime, Neo Teal</Color>
  <Unitcost>40.00</Unitcost>
</Row>
<Row>
  <ItemNr Quantity="0">32474</ItemNr>
  <Type>Tennis</Type>
  <Gender>Womens</Gender>
  <Size>8</Size>
  <Color>White/Light Marine-Ultramarine</Color>
  <Unitcost>25.00</Unitcost>
</Row>
<Row>
  <ItemNr Quantity="1">35310</ItemNr>
  <Type>Running</Type>
  <Gender>Mens</Gender>
  <Size>6</Size>
```

FIG. 31

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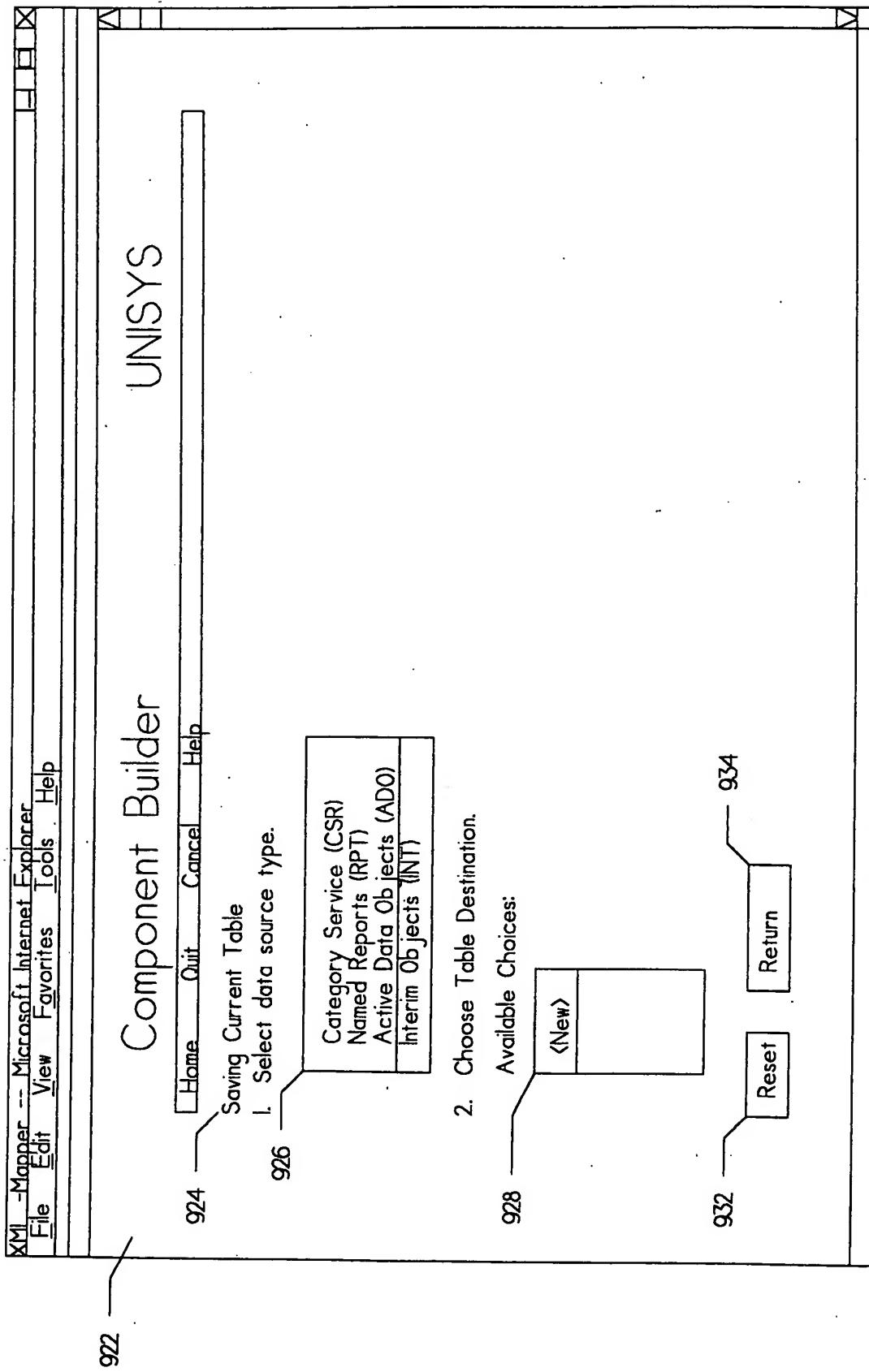


FIG. 32